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basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

MATHEMATICAL LITERACY P1

ADDENDUM

NOVEMBER 2019

This addendum consists of 4 pages with 3 annexures.

ANNEXURE A

QUESTION 2.1

EXTRACT FROM MR DANIELS' MONTHLY MUNICIPAL STATEMENT

Mr KJ Daniels 14 Sirkoon Street Kruger Park 2738	Date: 2019/03/12 Statement for: March 2019
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STAND SIZE	NUMBER OF DWELLINGS	DATE OF VALUATION	PORTION	MUNICIPAL VALUATION	REGION
463 m ²	1	2018/07/01	R1	Market value R944 630,00	WARD C

ACCOUNT NUMBER: 345 678 8900 60			
		SUBTOTAL (R)	TOTAL AMOUNT (R)
Water and sewer			
Reading period	2019/01/16 to 2019/02/12		
Meter reading	Start: 795 000 End: 807 000		
Water usage	12 kℓ (kilolitres)		
Daily average consumption	0,429 kℓ		
Charges for 12 kℓ are based on a sliding scale for a 28-day period			
Total water charge (excluding VAT)		B	
Water demand management levy		22,64	
Monthly sewer charge based on stand size (excluding VAT)		A	
VAT: 15%		73.75	

PAYMENT DUE		XXX
DUE DATE		2019/03/27

STEPPED RESIDENTIAL WATER TARIFF	
KILOLITRES PER CONNECTION PER MONTH	2018/19 TARIFF (R/kℓ) EXCLUDING 15% VAT
from 0 to 6	8,28
above 6 to 10	8,79
above 10 to 15	15,00
above 15 to 20	21,83

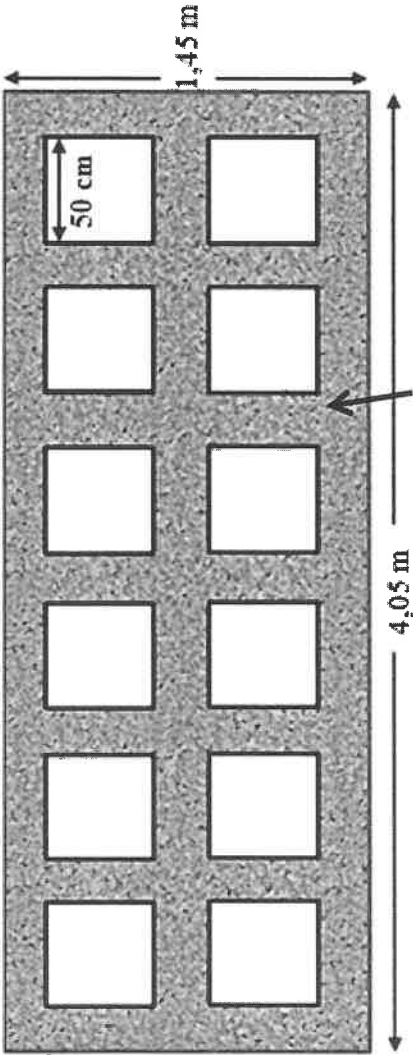
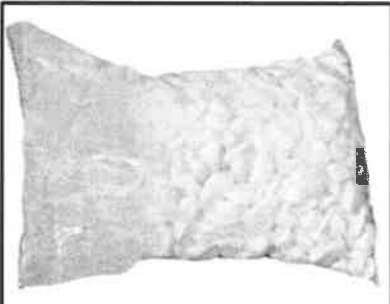

SEWER MONTHLY CHARGE BASED ON STAND SIZE	
STAND SIZE (m ²)	2018/19 TOTAL CHARGE (IN RAND) EXCLUDING 15% VAT
Up to and including 300 m ²	194,67
Larger than 300 m ² to 1 000 m ²	378,95
Larger than 1 000 m ² to 2 000 m ²	573,29
Larger than 2 000 m ²	836,02

[Adapted from www.joburgwater.co.za and www.jotariffs.co.za]

ANNEXURE B

QUESTION 3.2

THABISO'S LAYOUT PLAN FOR HIS WALKWAY

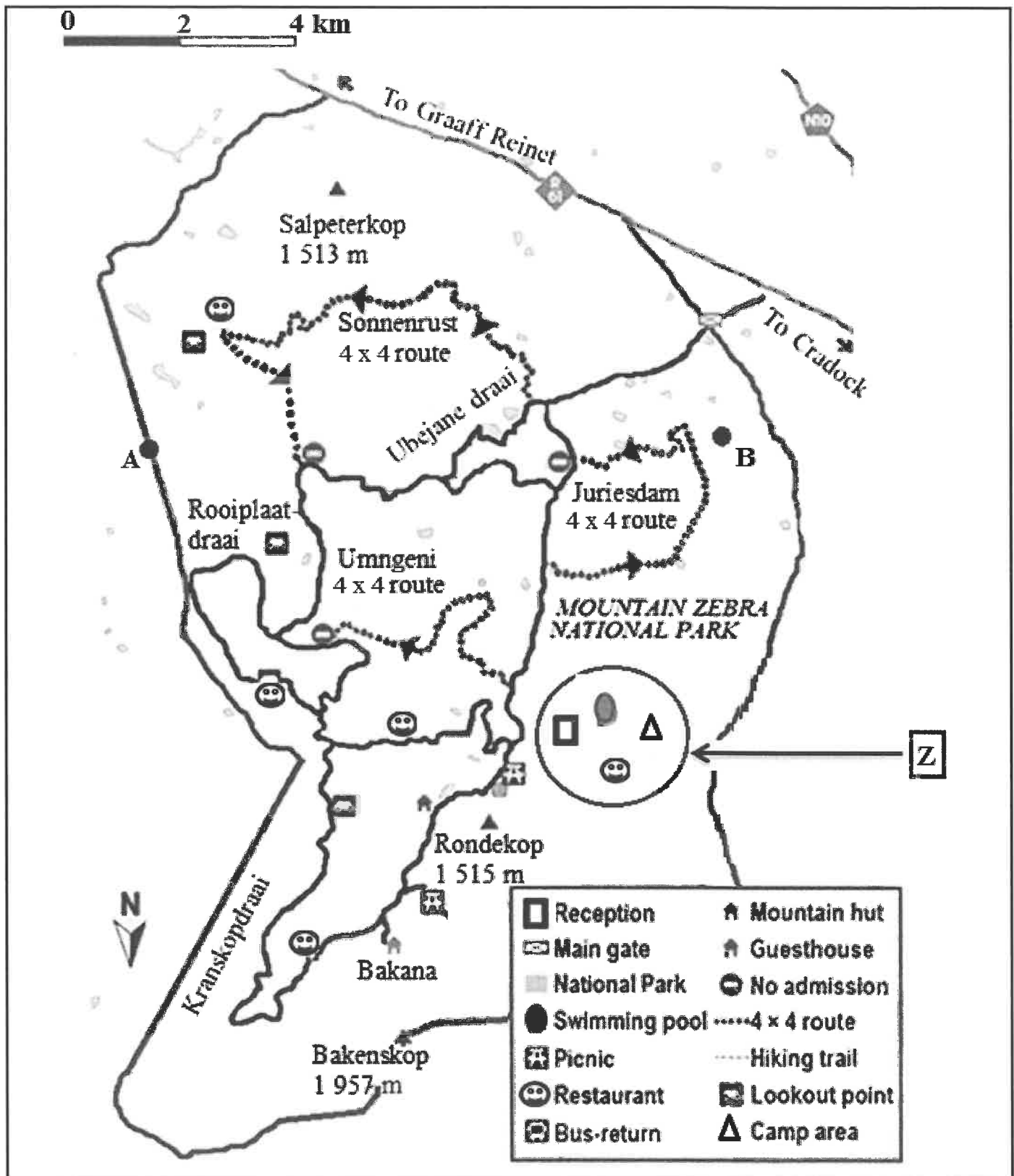
Thabiso's walkway	Bag of pebbles
	
Photo of a typical arrangement	Dimensions and information
	<ul style="list-style-type: none">• The dimensions are 4,05 metres by 1,45 metres.• 1 concrete block = 50 cm x 50 cm.• The pebbles are sold in 20 kg bags that covers an area of approximately 0,36 m².• He will need 12 blocks, as shown in the sketch above.

[Source: www.home-dzine.co.za]

ANNEXURE C

QUESTION 4.1

MAP OF THE MOUNTAIN ZEBRA NATIONAL PARK

[Adapted from www.grafieka24.com]